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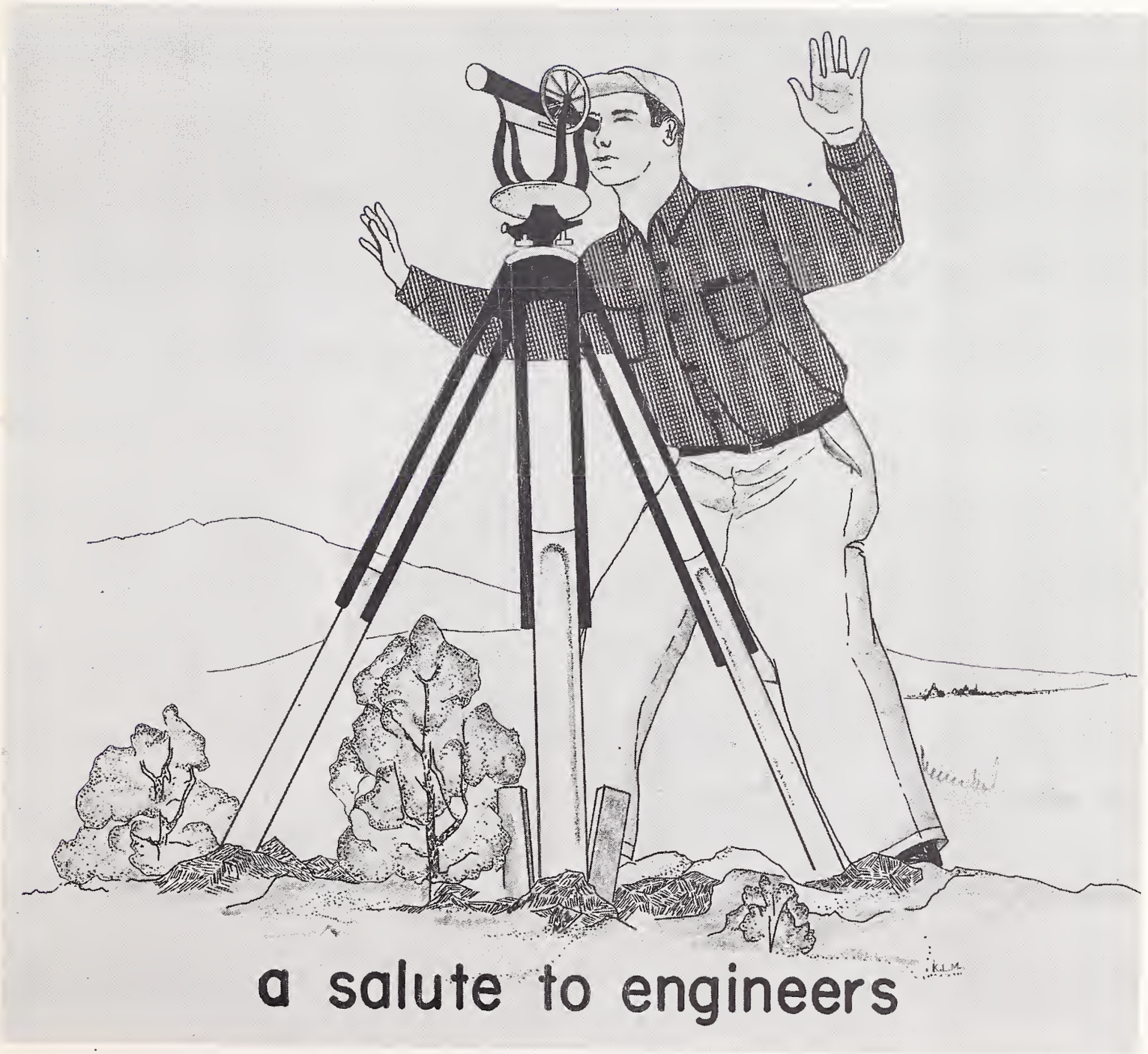
THE CENTER LINE

MONTANA HIGHWAY COMMISSION

Vol. VI., No. 2. Feb., 1963



ENGINEER'S WEEK - FEBRUARY 17-23

GOVERNOR
Tim Babcock

STATE HIGHWAY COMMISSION
Roy L. Sorrells ..... Chairman
S. N. Halvorson ..... Vice-Chairman
J. M. Nass ..... Member
George M. Gosman ..... Member
Ted James ..... Member
John D. Wheeler ..... Secretary

STATE HIGHWAY DEPARTMENT
Fred Quinnell, Jr. ..... State Highway Engineer

EDITORIAL STAFF
George T. Sime ..... Editor
Ernest A. Neath ..... Associate Editor
Chet Dreher ..... Photographer
Kenneth L. Martello ..... Artist

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AWARD SHEET — LETTING JANUARY 30, 1963

Project No.	Amount of Bid	Bidder	Address
I 15-4(15)186, I 15-4(16)194 & I 15-4(17)207 N. Hill-Sieben & Sieben, No. & So. Signing Lewis & Clark County	$ 36,576.73	Skinner Enterprises,	Helena, Mont.
I 15-4(18)210 U1 & I 15-4(21)210 Lyons Creek-So. (Road) (Signing) Lewis & Clark County	$2,388,727.75	F. & S. Contr. Co.	Butte, Mont.
I 15-4(I 15-4 (18)210 U2 Lyons Creek-South (Fencing) Lewis & Clark County	$ 19,494.00	Bohleen Construction	Wilsall, Mont.
I-IG 15-4 (19) 211 Lyons Creek-South (Bridges) Lewis & Clark County	$ 407,524.68	Sletten Const. Co.	Great Falls, Mont.
I-IG 90-8(17)433 U1 & F 134(6) Laurel-Mossmain & Laurel-South (Road) Yellowstone County	$1,975,465.46	Schultz & Lindsay Const. Co.,	Fargo N. Dakota
I-IG 90-8(17)433 U2 Laurel-Mossmain (Bridges) Yellowstone County	$ 525,214.14	Cop Construction Co.	Billings, Mont.
I-IG 90-8(17)433 U3 Laurel-Mossmain (Fencing) Yellowstone County	$ 38,985.00	Grand Fence Co.	Billings, Mont.
I 94-2(6)61 U1 & F 114(5) Hysham-West and the Hysham connection to Interstate (Road & Bridge) Treasure County	$1,060,329.51	Richardson Const. Co., Inc.,	Miles City, Mont.
I 94-2(6)61 U2 Hysham-West (Fencing) Treasure County	$ 40,997.50	Bohleen Construction	Wilsall, Mont.
ROW S 412(2) Montana City-East Helena (Fencing) Lewis & Clark County	$ 5,331.00	Maronick Const. Co., Inc.	E. Helena, Mont.
S 412(3) Montana City-East Helena (Road) Lewis & Clark County	$ 302,466.93	Maronick Const. Co., Inc.	E. Helena, Mont.

Total for Month—$6,781,618.70

EVERYBODY'S IN THE ACT

The awarding of contracts on February 20, marks the culmination of one of the most complicated projects yet let to contract on the Interstate System. Because the project involves a U. S. Customs and Immigration Installation between Coutts, Alberta and Sweetgrass, Montana, approval of our contract was contingent upon, congruous with, the construction of new facilities to serve that agency's need. Working with the Justice Department was further complicated by the fact that the General Services Administration is in charge of building new government facilities. Since a railroad and a town were also involved in the process, our plans also met with their approval. We think that the Right of Way Division is to be commended for their persistence and patience in guiding this project through to completion.

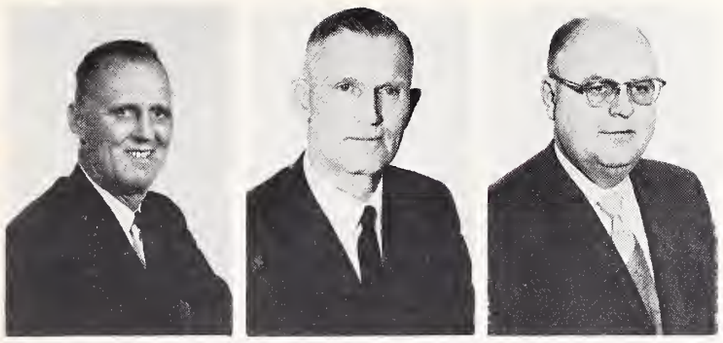
The above photo, taken in 1932 shows how the Town of Sweetgrass looked in those days, just prior to the completion of project F.A.P. 243-C. The photo, looking south toward Sweetgrass shows the end of the project ending just in front of the U. S. Customs House on the extreme left. The International Border is at the end of the boxcar just to the left of the Customs house.

LUCKY LUIGI! ALWAYS IN THE MIDDLE

Italy has quite a system for awarding road construction bids — and one, incidentally, that might be worth a second look by our government bodies—

It's a sure cure for the willy-nilly bidding that seems to be a problem in this country in recent years—

Here's the way it works: When bids are opened at a letting, the high and the low bids are tossed out; then the rest of the bids are added together . . . and the bid that is nearest to the average of ALL bids, gets the contract award.



J. M. Nass | Otis Waters | Stanley Halvorson

J. M. NASS COMMISSION APPOINTEE

On Monday, February 18, a new face appeared on the Highway Commission. J. M. "Bud" Nass of Poplar replaced Otis Waters, ten year veteran on the Commission. Otis will be missed by his many friends, and the Highway Employees wish him well, as he returns to his wheat and cattle ranch near Richey. His many friends in Eastern Montana, and the homefolk of Richey will have the opportunity to thank Otis this month, when they will gather in Richey to express their appreciation for his untiring efforts and unselfish service on behalf of Highways in Eastern Montana.

We welcome you, Bud, and know that you have long been interested in good roads. We sincerely hope that you will enjoy the work on the Commission as much as your predecessor has during the last decade.

Governor Babcock has re-appointed Stan Halvorson, of Kalispell to represent Northwestern Montana for the next four years. Stan has been on the commission for several years, and has a very thorough knowledge of Highway matters.

MONTANA 13th IN NATION

Montana ranks 13th in the nation in miles of Interstate Highway in progress, according to the quarterly report of the Bureau of Public Roads. The report issued on February 10, takes into consideration the number of miles under construction in preliminary engineering and right of way stages. All work as of December 31, 1962 was included in the report.

With the exception of California and Texas, Montana led all other Western States in Interstate mileage under way. Since the first of the year, Montana has added considerable more mileage, but such new mileage has not been considered in the report.

According to the report, Montana has a total of 402 miles of Interstate under way, and is exceeded by California, with 1,241; Texas, 1,227; Ohio, 662; Missouri, 620; Pennsylvania, and Georgia with 554; Indiana, 515; Arkansas, 458; Louisiana, 445; Virginia, 446; Minnesota, 419 and Montana,

Compared with the surrounding states, Montana rates at the top, with Washington having 296 miles; Oregon, 160; Idaho, 274; Wyoming, 140; North Dakota, 124; South Dakota, 199; Utah, 349; and Nevada, 217.

"We have made good progress on the Interstate Highway during the past year," says Fred Quinnell, Jr., State Highway Engineer, "and with the assistance of some changes we hope that the Legislature will see fit to approve, we should make rapid strides in our accelerated highway program that Governor Babcock has called for. We have also been asked by Highway Administrator Whitton to have 50% of our Interstate Program under way by 1964. We have a very ambitious schedule outlined for 1963 and 1964, and we can assure the people of Montana that we shall do everything in our power to keep that schedule."

INTERSTATE LETTINGS TO JUNE, 1965

Recently compiled figures for the next two and one-half years show a large jump toward the 1972 Interstate goal. When all projects are let as planned, several millions of dollars will be involved.

Included in the construction are 43 projects calling for structures such as bridges, railroad overpasses and interchanges. There will also be several concrete pavement projects in the following areas: Three Forks, Butte, Bonner, Great Falls and Missoula. The first concrete laid on the interstate program in Montana was at Miles City and was completed in 1962.

(Continued on next page)

Proposed lettings by years are:

1963—G. GS, PMS, 119.012; signing, 38.-249 mi.; seeding, 64.711 mi.; and concrete surfacing, 10.562 mi.

1964—Signing, 32.011 mi; G. GG, PMS, 89.886 mi.; Gr. structure, 9,2 and concrete surfacing 8.4 mi.

To July 1965—G, GS, PMS, S, structure, 14.8 mi. and G, GS, Pcc, structure, 4.0 mi.

There are 22 counties represented in the 2½ years of the proposed construction program. At the end of 1957 when the Montana Interstate System began we had a total of 30 miles under construction or open to traffic compared with 300 miles at the end of the year 1962. See pages 10 and 11.

The dates of the Montana Highway Bowling Tournament have been set for March 30-31, and April 6 and 7. For those of you who do not have an official entry blank, please write to Harold Treadway in the Construction Division for the entry blanks.

The second annual event should be a dandy, and we expect that some of the divisions will be out to avenge their experiences in the 1962 tournament.

The team event will be held at Capital City Bowl, the same as last year, with the Doubles and Singles at Imperial Lanes.

Entry fees have been reduced in the Team Event to $20.00, and the Doubles and Singles are the same as last year.

It is hoped by the committee that a larger participation will be forthcoming this year. We had 28 teams represented at the First Annual Tournament with 65 Doubles and 130 Singles entries.

So talk it up and get some more entries!

A ballot will be furnished each team captain this year, and a vote will be taken on when and where the 1964, or Third Annual will be held.

The Department contracted with the Bureau of Public Roads and the Air Force to keep the missile sites and approaches free and clear of snow. In partial compensation we have received some new diesel units to plow the roads with. Four of the new units are shown here before heading out to work.

NEWS FROM THE DIVISIONS

Great Falls Division

Blaine R. Warner, 53, Project Engineer assigned to the Dearborn River Bridge, passed away Dec. 21, 1962 at Augusta, Montana. Graveside services were held at Augusta, Dec. 29, 1962, under the auspices of the American Legion and Veterans of Foreign Wars.

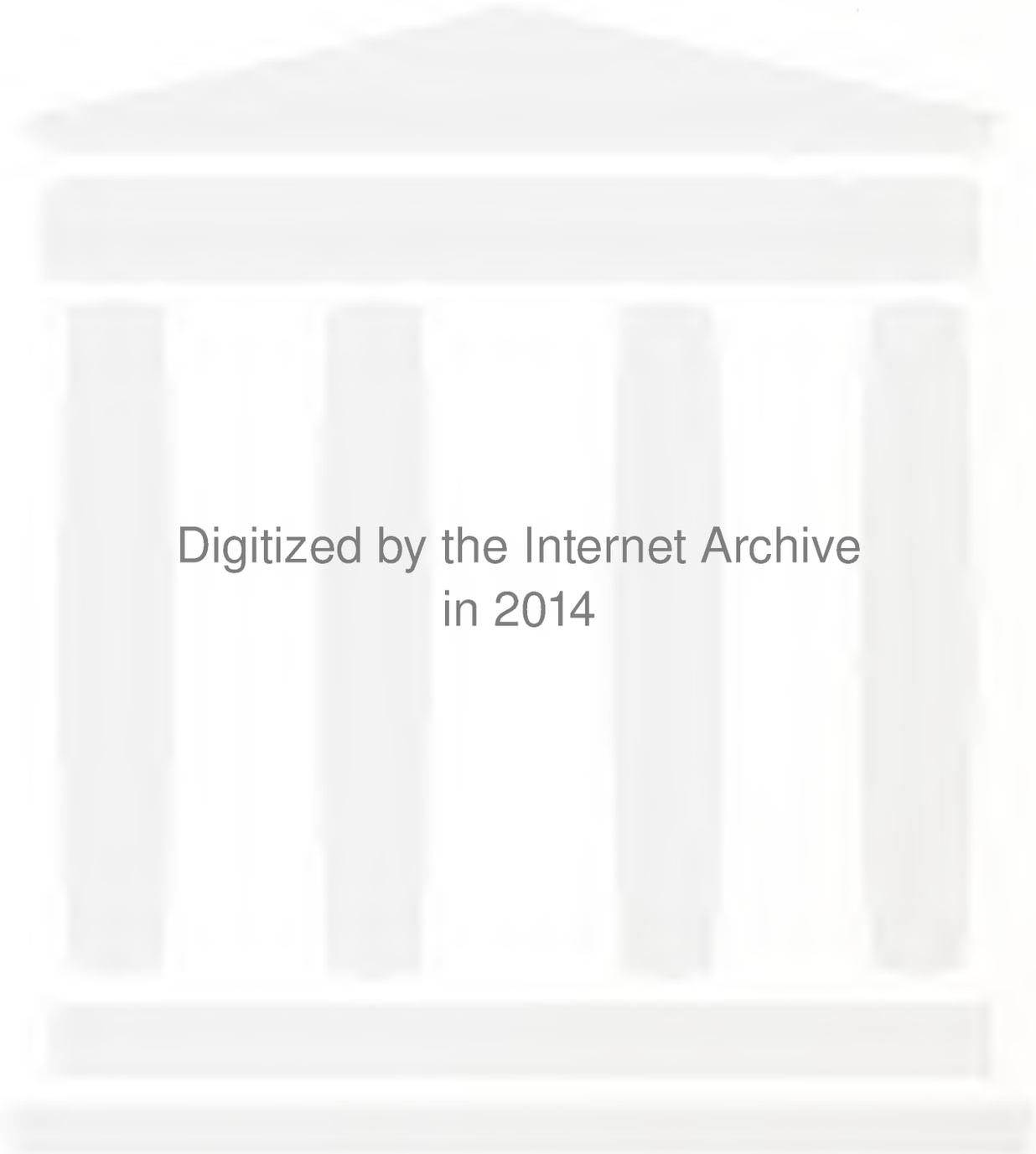
Jimmy Hightower has been transferred from Choteau to Fort Benton to replace the late Frank Phillips as Sectionman.

C. A. McGiffin spent a couple of weeks in sunny (?) California. His comment, "The only place in the world where you can freeze to death getting a sun tan!"

Congratulations to the Trankels. We understand that after five girls in succession the new "Boy Type" addition is more than welcome!

Map Index Number	Project Number	Probable Completion Date	LENGTH, TYPE OF CONSTRUCTION AND LOCATION
	FEDERAL AID INTERSTATE PROJECTS		
23	I 15-4 (18) 210 U 1 & I 15-4 (21) 210	11-30-64	2.1 miles four lane divided, grading, drainage, aggregate surfacing, plant mix bituminous surfacing . (U. S. 91 - South of Wolf Creek) .
	I-IG 15-4 (19) 211	7-31-64	Four prestressed concrete beam structures, dual 534 foot - Spring Creek Interchange, GN RY and Prickly Pear Creek, dual 133 foot Lyons Creek Separation . (U. S. 91 - South of Wolf Creek) .
24	I 94-2 (6) 61 U 1	9-1-64	5.6 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . One 143 foot prestressed concrete beam overpass - Hysham Interchange . (U. S. 10 - Southwest of Hysham) .
	I 94-2 (6) 61 U 2	11-30-63	5.6 miles fencing . (U. S. 10 - Southwest of Hysham) .
	FEDERAL AID PRIMARY PROJECTS		
101	F 191 (19) U 1	9-1-63	5.6 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 93 - South of Kalispell) .
102	F 207 (8)	9-30-63	0.2 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 10 - In Butte) .
	F 279 (4)	9-30-63	0.5 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 10 - ByPass - In Butte) .
103	FHP 6 - 1 (1) *	1963	6.5 miles grading, drainage; base and bituminous surface treatment . (U. S. 10 A - Idaho Line East) .
104	F 193 (12)	9-30-63	11.6 miles grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (Montana 16 - Medicine Lake North) .
105	F 157 (16) U 1	6-30-63	5.0 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Montana 22 - Northwest of Miles City) .
106	F-FG 68 (12) U 1	9-1-64	2.7 miles (four lane divided) grading, drainage, aggregate surfacing and plant mix bituminous surfacing . Signing and delineation . (U. S. 10 A - East of Anaconda) .
	F-FG 68 (12) U 2	10-31-63	Four prestressed concrete beam bridges, dual 70 foot - Clark Fork and dual 148 foot - NP RY. (U. S. 10 A - East of Anaconda) .
107	F 134 (6)	9-1-64	0.7 miles grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (U. S. 212 - Laurel South) .
108	F 67 (9)	10-1-63	1.6 miles grading, drainage, aggregate surfacing, stabilized base surfacing, plant mix bituminous and seal coat oiling . (U. S. 91 - Main Street in Conrad) .
109	F 149 (16)	9-15-63	9.7 miles grading, drainage, aggregate surfacing and plant mix bituminous oiling . (U. S. 87 - Northeast of Great Falls) .
110	U F 296 (15) U 1	10-1-63	4.2 miles (0.8 miles four lane) grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (Montana 3 - Billings Northwest) .
111	FHP 13 F 6 *	1963	2.1 miles grading, drainage, and surfacing . (U. S. 2 - East of West Glacier) .
112	F 333 (31)	6-30-63	One 173 foot prestressed concrete beam bridge - Armells Creek . (U. S. 191 - North of Roy) .
113	F 76 (7)	9-15-63	20.6 miles plant mix bituminous surfacing . (U. S. 191 - North of West Yellowstone) .
114	FHP 32 1 (1) *	1963	26.9 miles plant mix bituminous surfacing . (U. S. 89 - South of Neihart) .
115	U FG228 (16)	11-30-63	1.5 miles grading, drainage, cement stabilized base, aggregate surfacing, concrete pavement, plant mix bituminous and seal coat oiling . One concrete underpass - NP RR . (U. S. 10 - In Billings) .
116	F 238 (8) U 1	6-30-63	8.5 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Montana 287 - North of Wolf Creek) .
	F 238 (8) U 2	6-30-63	One 294 foot riveted plate girder bridge - Dearborn River . (Montana 287 - North of Wolf Creek) .
117	ROW F 28 (3)	6-30-63	5.8 miles fencing . (U. S. 87 - South of Grass Range) .
	F 28 (4)	8-15-63	5.8 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 87 - South of Grass Range) .
118	U 149 (15)	10-31-63	0.4 miles (0.1 miles four lane divided) grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 87 - ByPass - Great Falls North) .
	U FG 395 (6)	10-31-63	1.5 miles (1.1 miles four lane divided) grading, drainage, aggregate surfacing, plant mix bituminous and concrete pavement . Two concrete underpasses - GN RY and Smelter Avenue . (U. S. 87 - ByPass - Great Falls North) .
119	F 235 (25)	10-15-63	7.5 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . One 81 foot prestressed concrete beam bridge - Otter Creek . (U. S. 87 - West of Stanford) .
	F 235 (31)	10-15-63	4.0 miles plant mix bituminous surfacing . (U. S. 87 - West of Stanford) .
120	F 114 (5)	9-1-64	2.4 miles grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (Hysham connection to Interstate) .
121	F FG 219 (16) U 2	6-30-63	One 173 foot prestressed concrete beam overpass - NP RY . (U. S. 10 A - Northwest of Missoula) .
	F FG 219 (16) U 1	10-30-63	9.8 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 10 A - Northwest of Missoula) .
122	U 112 (3), U 229 (15) & U 235 (32)	6-30-63	2.0 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . One 30 foot concrete slab bridge - Big Spring Creek . (Montana 20 - Lewistown Main Street) .
123	F 191 (20) U 1	9-1-63	7.3 miles (2.5 miles grading and drainage) aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 93 - North of Polson) .
	F 191 (22)	6-30-63	7.3 miles seeding and mulching . (U. S. 93 - North of Polson) .
124	F 260 (7) & F 353 (8)	8-15-63	5.8 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 2 - West to East of West Glacier) .
125	F 13 (6) U 2	7-30-63	4.0 miles seal and cover oiling . (U. S. 89 - Livingston South) .
126	FHP 43 - 1 (1) *	1963	5.8 miles grading, drainage, aggregate surfacing and bituminous surface treatment . (U. S. 89 - North of Gardiner) .
127	F 184 (15)	6-30-63	1.1 miles seeding and mulching . (U. S. 10 - North of Deer Lodge) .
128	F 43 (15) U 2	7-30-63	31.4 miles seal and cover oiling . (Montana 43 - West to East of Ralston) .
129	F 217 (12) U 2 & F 217 (13) U 2	7-30-63	24.0 miles seal and cover oiling . (U. S. 89 - South to North of Emigrant) .
130	F FG 215 (7)	6-30-63	0.3 miles four lane divided, grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . One 972 foot steel and concrete bridge CMSTP&P RY and Clark Fork . (U. S. 93 - In Missoula) .
133	F 153 (8)	10-1-63	9.0 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 2 - East of Dodson) .
137	U 257 (14) U 2	6-30-63	Traffic Signals, signs and highway lighting on Idaho Street . (U. S. 2 - In Kalispell) .
138	F 210 (3)	10-30-63	6.0 miles plant mix bituminous surfacing . (U. S. 89 - Northwest of Browning) .
	F 227 (5)	10-30-63	4.0 miles plant mix bituminous surfacing . (U. S. 89 - Northwest of Browning) .
	F 227 (6)	10-30-63	4.3 miles grading, drainage, aggregate surfacing, and plant mix surfacing . (U. S. 89 - Northwest of Browning) .
139	FHP 13 3 (1) *	1963	4.1 miles grading, drainage and base . One 60 foot reinforced concrete bridge - Bear Creek . One 26 foot concrete slab bridge - Devil Creek . (U. S. 2 - Southwest of East Glacier) .
140	F FG 258 (12)	6-30-63	12.9 miles plant mix bituminous surfacing . (U. S. 310 - South of Belfry) .
141	F 144 (6) U 2	6-30-63	Installation of traffic signals and lighting . (U. S. 2 - First Avenue North in Glasgow) .
142	F 315 (16) U 1	9-30-63	11.4 miles grading, drainage and aggregate surfacing . (Montana 24 - Southeast of Fort Peck) .
	F 315 (16) U 2	10-30-63	One 133 foot prestressed concrete beam bridge - Nelson Creek . (Montana 24 - Southeast of Fort Peck) .
	FEDERAL AID SECONDARY PROJECTS		
201	S 45 (6)	9-30-63	One 215 foot prestressed concrete beam bridge - Tongue River . (Southwest of Garland) .
202	S 131 (3) U 1	7-30-63	6.5 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (East of Brady) .
203	S 230 (8)	6-30-64	1.2 miles grading, drainage and aggregate surfacing . One 562 foot riveted plate girder bridge . (North of U. S. 10 and Montana 47) .
204	ROW S 412 (2)	6-30-63	3.7 miles fencing . (.East Helena Southerly)
	S 412 (3)	9-1-63	3.7 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (East Helena Southerly) .
205	S 207 (3)	6-30-63	3.9 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Wyoming Line North - South of Busby) .
206	S 192 (3)	9-30-63	Dual prestressed concrete beam bridges - I 90 Separation . (Southwest of Billings) .
207	FHP 5 1 (1) 2 (2)*	1963	13.8 miles plant mix bituminous surfacing . (South of Troy) .
208	S 264 (3)	6-30-63	5.3 miles grading, drainage, and aggregate surfacing . (Northeast of Van Norman) .
209	FHP 11 1 (1) & S 391 1 FH *	1963	32.5 miles grading, drainage, and base. Raising of three timber bridges - Lolo Creek . (U. S. 12 - Lolo to Idaho State Line) .
210	S 325 (1) U 1	7-30-63	3.4 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (Southwest of Libby) .
211	ERFO 42 (1) *	1963	7.1 miles (3.5 miles grading) drainage, aggregate surfacing and plant mix bituminous surfacing . (Northwest of West Yellowstone) .
212	S 290 (12)	7-31-63	1.7 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . One 708 foot riveted plate girder bridge - Missouri River . (Fort Benton Southeast) .
213	S 266 (4)	10-1-63	10.5 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (North of Browning) .
	ROW S 266 (2)	6-30-63	10.5 miles fencing . (North of Browning) .
214	S 65 (6)	10-1-63	4.9 miles grading and drainage. One 245 foot prestressed concrete beam bridge - Swan River . (South of Big Fork East) .
215	ROW S 370 (13)	6-30-63	Reset 239 rods of fencing . (West of Wilsall) .
	S 370 (15)	9-30-63	6.7 miles grading, cement stabilized base, drainage, plant mix bituminous and seal coat oiling . (west of Wilsall) .
216	S 159 (4)	9-1-63	7.5 miles (partial grading) drainage, aggregate surfacing, and plant mix bituminous surfacing . (Dodson South) .
217	S 304 (8)	9-30-63	7.4 miles (0.8 miles grading) aggregate and plant mix bituminous surfacing . (Galen Southwest) .
218	S 316 (7)	9-30-63	0.4 miles grading, drainage, aggregate and plant mix bituminous surfacing . Concrete curb and gutter (In Cut Bank) .
222	S 259 (2)	7-15-63	9.0 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . One 38 foot treated timber Trestle Bridge - Sand Creek . (Northeast of Forsyth) .
224	S 2 (15) U 1	10-30-63	1.8 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (North of Helena) .
225	S 68 (5) U 1	5-30-63	13.0 miles aggregate surfacing, plant mix bituminous and seal coat oiling . (North of Hilger) .
226	S 213 (4)	9-30-63	0.9 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (East of Butte) .
230	S 12 (9)	6-30-63	4.9 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Harlem North) .
232	S 339 (9) U 1	6-30-63	6.5 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (South of Chester) .
234	S 398 (2)	6-30-63	9.6 miles grading, drainage and aggregate surfacing . (Northwest of Baker) .
235	S 9 (9) U 2	7-30-63	8.5 miles seal and cover oiling . (Southeast of Boulder) .
236	S 377 (2)	8-15-63	4.0 miles grading, aggregate surfacing, plant mix bituminous and seal coat oiling . (Whitefish North) .
238	S 66 (2) U 2	7-30-63	1.2 miles seal and cover oiling . (Emigrant Southeast) .
239	S 273 (3) U 2	7-30-63	0.8 miles seal and cover oiling . (Northeast of Emigrant) .
247	S 188 (4)	7-15-63	10.1 miles grading, drainage and aggregate surfacing . (North of Galata)
248	S 402 (3)	9-15-63	7.8 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Northeast of Culbertson) .
	OFF SYSTEM PROJECTS		
301	FHP 2 A2 B2 12 A2 *	1963	7.2 miles grading and aggregate base . (Two Medicine Road and Approach - Northwest of East Glacier) .
303	R AD 7 (1) *	1963	8.7 miles grading, drainage and aggregate surfacing . (Brooks East) .

* - - - - - - Bureau of Public Roads Projects .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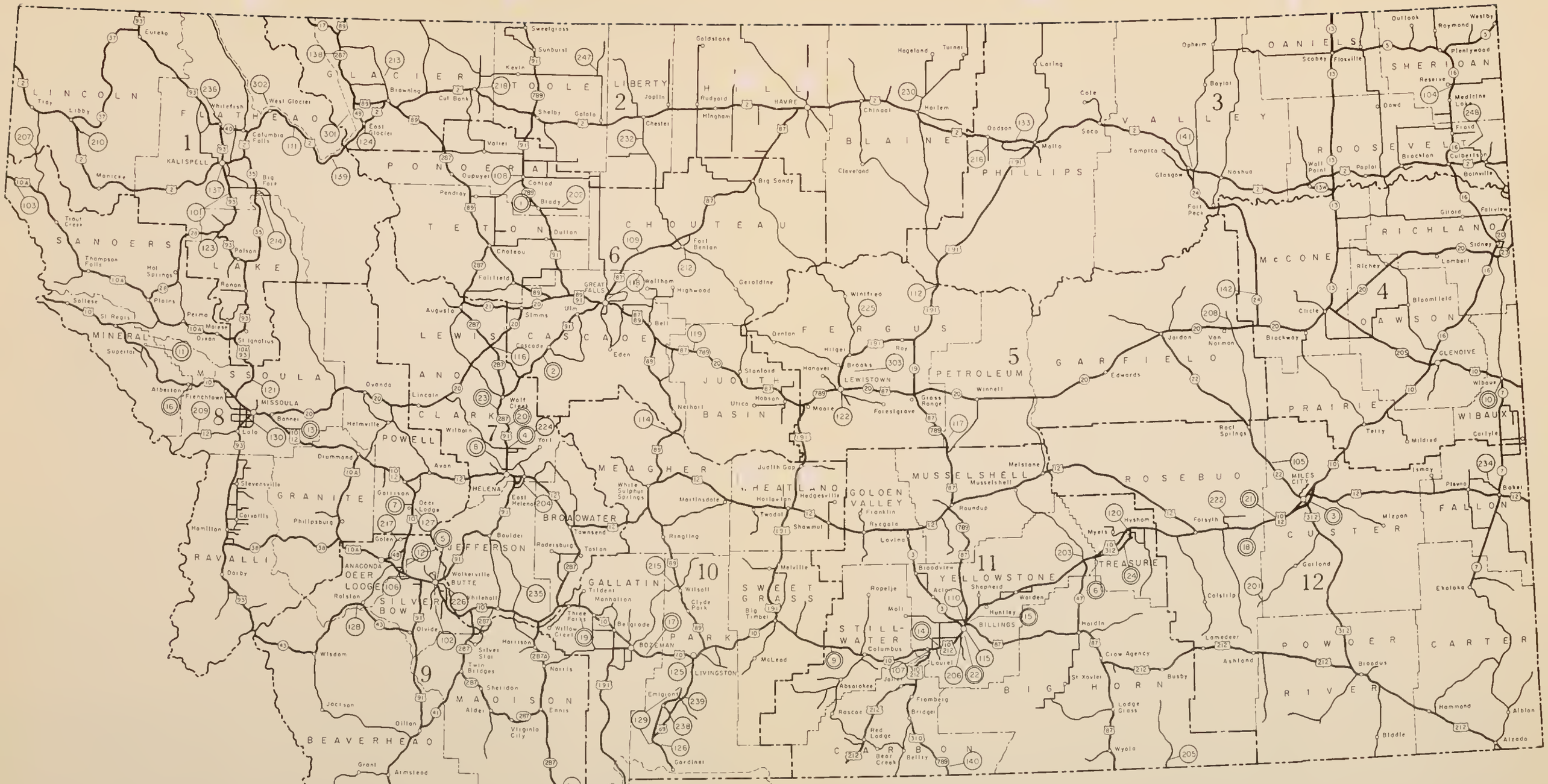


LEGEND

- (3) INDEX NUMBER (Details reverse of sheet)
- U S NUMBERED PRIMARY HIGHWAY
- MONTANA NUMBERED PRIMARY HIGHWAY
- SECONDARY HIGHWAY
- 10 FINANCIAL DISTRICT NUMBER

PROJECTS UNDER CONTRACT

MONTANA HIGHWAY COMMISSION

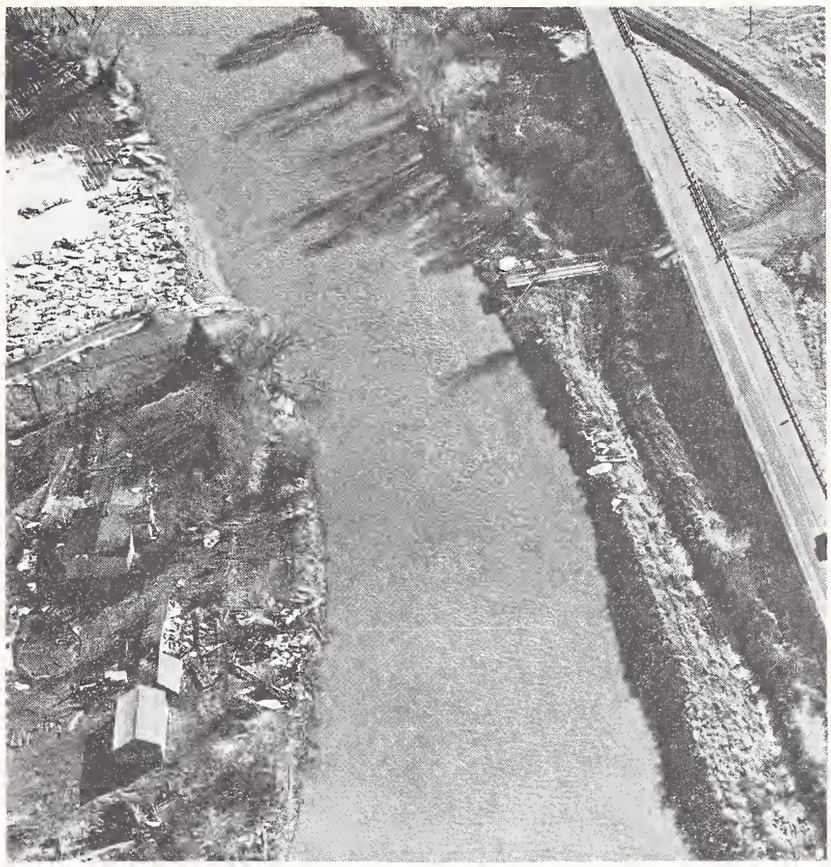
JANUARY 31, 1963 (Includes contracts let January 30, 1963)

Map Index Number	Project Number	Probable Completion Date	LENGTH, TYPE OF CONSTRUCTION AND LOCATION
	FEDERAL AID INTERSTATE PROJECTS		
1	I 15-6 (5) 311 U 1 & I 15-7 (3) 312 U 1	7-1-64	11.6 mile grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 91 - Brady South to North) .
	I 15-6 (5) 312 U 2	9-30-63	1.0 mile fencing . (U. S. 91 - Brady South to North) .
	I 15-7 (3) 312 U 3	4-30-63	10.6 miles fencing . (U. S. 91 - Brady South to North) .
	I 15-7 (3) 312 U 2	4-30-63	Two prestressed concrete bridges . One 183 foot - Brady Interchange and one 153 foot - County Road Separation . (U. S. 91 - Brady South to North) .
2	I 15-5 (13) 239 U 1	6-30-63	4.7 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . Same construction on frontage road . (U. S. 91 - South to North of Cascade) .
	I 15-5 (13) 239 U 3	6-30-63	4.7 miles fencing . (U. S. 91 - South to North of Cascade) .
	I 15-5 (17) 239 U 4	6-30-63	4.7 miles signing and delineation . (U. S. 91 - South to North of Cascade) .
3	I 94-4 (10) 127	6-30-63	20.4 miles signing and delineation . (U. S. 10 - West to East of Miles City) .
4	I 15-4 (6) 186 U 1	10-30-63	8.2 miles four lane divided, grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . Frontage Roads . (U. S. 91 - Helena North) . Weigh Station .
	I 15-4 (6) 186 U 4	10-30-63	8.2 miles fencing and cattle guards . (U. S. 91 - Helena - North) .
	I 15-4 (15) 186	11-30-63	8.2 miles signing . (U. S. 91 - Helena North) .
5	I 15-2 (14) 127 U 1	9-30-63	4.7 miles four lane divided, grading, drainage, aggregate surfacing, concrete paving, plant mix bituminous and seal coat oiling . (U. S. 91 - In Butte) .
	I 15-2 (14) 127 U 2	9-30-63	2.7 miles fencing . (U. S. 91 - In Butte) .
	I-IG 15-2 (17) 130 U 1	9-30-63	1.5 miles grading, four lane divided, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 91 - Butte East) .
	I-IG 15-2 (17) 130 U 2	6-30-63	Three steel girder bridges, one 268 foot - Upper Nine Mile Separation . Dual 147 foot - East Butte Interchange . (U. S. 91 - Butte East) .
	I-IG 15-2 (17) 130 U 3	11-30-63	1.5 miles fencing . (U. S. 91 - Butte East) .
	I-IG 15-2 (16) 126 U 1	9-30-64	4.6 miles grading, drainage, aggregate surfacing, concrete paving, plant mix bituminous and seal coat oiling . (U. S. 91 - Butte West) .
	I 115-2 (2) 126 U 1	9-30-64	Five structures . Two prestressed concrete beam overpasses . One 301 and 171 foot dual RF & RR xxxxxx . Three steel and concrete overpasses . One dual 149 foot - RF and RR xxxx . One dual 200 foot - West Butte Interchange . (U. S. 91 - Butte West) .
	I-IG 15-2 (16) 126 U 2 & I 115-2 (2) 126 U 2	9-30-64	2.4 miles fencing . (U. S. 91 - Butte West) .
	I-IG 15-2 (16) 126 U 3 & I 115-2 (2) 126 U 3	9-30-64	2.4 miles fencing . (U. S. 91 - Butte West) .
	I-IG 15-2 (16) 126 U 4	9-30-63	Dual 400 foot steel and concrete overpasses - RF RY and BURLINGTON RR . (U. S. 91 - Butte West) .
6	I 94-1 (5) 51	7-31-63	One 580 foot riveted plate girder bridge - Big Horn River . (U. S. 10 - West of Hysham) .
	I 94-1 (6) 50 U 1 & I 94-2 (4) 51 U 1	4-1-63	5.5 miles grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (U. S. 10 - West of Hysham) .
	I 94-2 (4) 51 U 2	8-30-63	One 170 foot prestressed concrete beam bridge - underpass - Big Horn Interchange . (U. S. 10 - West of Hysham .
	I 94-1 (6) 50 U 2	4-1-63	1.5 miles fencing . (U. S. 10 - West of Hysham) .
	I 94-2 (4) 51 U 3	4-1-63	4.4 miles fencing . (U. S. 10 - West of Hysham) .
	I 94-2 (5) 55 U 1	4-1-63	6.4 miles (4.0 miles four lane divided), grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (U. S. 10 - Southwest of Hysham) .
	I 94-2 (5) 55 U 2	4-1-63	6.4 miles fencing . (U. S. 10 - Southwest of Hysham .
7	I 90-3 (11) 180	6-30-63	8.6 miles seeding and mulching . (U. S. 10 - North and South of Deer Lodge) .
8	I 15-4 (14) 185 U 3	6-30-63	1.3 miles signing and delineation . (U. S. 91 - in Helena) .
9	I 90-7 (8) 387 U 1 & I-IG 90-8 (12) 388 U 1	10-30-63	5.9 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . Frontage Roads . (U. S. 10 - West of Columbus) .
	I-IG 90-8 (12) 388 U 2	4- 0-63	4.6 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . Frontage Roads . (U. S. 10 - West of Columbus) .
	I 90-7 (8) 387 U 2 & I-IG 90-8 (12) 388 U 2	6-30-63	Four prestressed concrete beam structures . One 102 foot - Frontage Road Separation . Dual 133 foot - Reed Point Interchange . One 101 foot - Berry Creek . Two 47 foot and one 71 foot concrete slab under grade separations . (U. S. 10 - West of Columbus) .
	I 90-7 (8) 387 U 3	4-1-63	5.4 miles fencing . (U. S. 10 - West of Columbus .
	I-IG 90-8 (12) 388 U 4	4-1-63	4.6 miles fencing . (U. S. 10 - West of Columbus .
10	I 94-7 (4) 233 U 1	7-30-63	7.2 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling, fencing and weigh station . (U. S. 10 - Dawson, Wibaux County line to Wibaux) .
	I 94-7 (5) 233	5-30-63	15.2 miles signing and delineation . (U. S. 10 - Dawson - Wibaux County . to North Dakota at the Line .
11	I 90-8 (16, 43)	6-30-63	6.7 miles seeding and mulching . (U. S. 10 - North and South of Superior .
12	I-IG 90-4 (7) 205 U 1	9-1-64	4.5 miles four lane divided, grading, drainage, cement stabilized base, aggregate surfacing and plant mix bituminous surfacing, frontage roads , West Arena , Missing and delineation . (U. S. 10 - South of Deer Lodge .
	I-IG 90-4 (7) 205 U 2	6-30-64	Three prestressed concrete beam structures . One 140 foot - Anaconda Interchange . Dual 84 foot - Warm Springs - (U. S. 10 - South of Deer Lodge) .
	I-IG 90-4 (7) 205 U 3	11-30-63	4.5 miles fencing . (U. S. 10 - South of Deer Lodge) .
13	I-IG 90-2 (10) 110 U 1	7-1-64	4.3 miles four lane divided, grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 10 - West of Sonner East) .
	I 90-2 (11) 114 U 1	7-1-64	4.9 miles four lane divided, grading, drainage, aggregate surfacing, plant mix bituminous surfacing . Frontage Roads . (U. S. 10 - Southeast of Sonner) .
	I 90-2 (11) 114 U 2	7-1-64	4.4 miles fencing . (U. S. 10 - Southeast of Sonner) .
	I-IG 90-2 (10) 110 U 2	7-1-64	Eight structures . Dual 343 foot - steel plate girder - Clearfoot River . Six prestressed concrete beam, dual 133 foot - Joliet Rd. Dual 118 foot frontage road separation . Dual 118 foot - Turn Interchange . (U. S. 10 - West of Sonner East) .
	I-IG 90-2 (10) 110 U 3	7-31-64	Dual 327 and 337 foot steel girder overpasses - RF RY . (U. S. 10 - West Interchange East) .
	I-IG 90-2 (10) 110 U 4	9-31-64	Dual 350 foot steel girder overpasses - RF RY . (U. S. 10 - Southeast of Sonner .
	I-IG 90-2 (12) 118 U 1	6-30-63	One 285 foot prestressed concrete beam bridge - Joliet Creek . (U. S. 10 - Southeast of Sonner .
	I-IG 90-2 (12) 118 U 2	6-30-63	One 70 foot concrete bridge - Joliet Creek . (U. S. 10 - Southeast of Sonner .
14	I 90-8 (16) 437 U 2	6-30-63	One 70 foot concrete bridge - Bozeman Canal . (U. S. 10 - East of Bozeman .
	I-IG 90-8 (17) 433 U 1	7-1-64	5.3 miles four lane divided, grading, drainage, aggregate surfacing and plant mix bituminous surfacing, . (U. S. 10 - Bozeman East) .
	I-IG 90-8 (17) 433 U 2	6-30-64	Eight structures, two 70 foot steel overpasses - (U. S. 10 - Main Interchange), six prestressed concrete beam structures, one 245 foot - County Road Separation, two 148 foot - Westbank Interchange, two forty foot - Bozeman Creek . (U. S. 10 - Bozeman East .
	I-IG 90-8 (17) 433 U 3	11-30-63	5.3 miles fencing . (U. S. 10 - Bozeman East .
15	I 90-8 (23) 427 U 1	9-30-63	0.1 miles approaches and riprapping to Gallatin Yellowstone River Bridges . (U. S. 87 - East of Billings .
16	I 90-1 (17) 75 U 1	11-1-63	2.2 miles (1.1 miles four lane divided grading, drainage, aggregate surfacing and plant mix bituminous surfacing . Frontage Roads . (U. S. 10 - Albert n West .
	I 90-1 (17) 75 U 2	8-31-63	One 241 foot prestressed concrete beam bridge, ramp - Albert n Interchange . (U. S. 10 - Albert n West .
	I 90-1 (17) 75 U 3	11-1-63	4.2 miles fencing . (U. S. 10 - Albert n West .
	I 90-2 (13) 78 U 1	11-1-63	4.2 miles grading, drainage, concrete surfacing, plant mix bituminous surfacing . One 4 foot concrete slab junior grade separation . (U. S. 10 - Alberton East .
	I 90-2 (13) 78 U 2	8-31-63	One 243 foot prestressed concrete beam bridge - Grade Separation . (U. S. 10 - Alberton West .
	I 90-2 (13) 78 U 3	11-1-63	2.2 miles fencing . (U. S. 10 - Alberton East .
17	I-IG 90-6 (2, 3) 4 U 1	7-1-63	5.3 miles four lane divided, grading, drainage, aggregate surfacing, concrete paving, plant mix bituminous and seal coat oiling . (U. S. 10 - East of Three Forks . four prestressed concrete beam structures . Two 121 foot overpasses - Three Forks Interchange . One 148 foot overpasses - Three Forks Interchange . Dual 335 foot steel and concrete overpasses - RF RY . (U. S. 10 - East of Bozeman) .
	I-IG 90-6 (2) 304 U 2	6-30-63	5.3 miles fencing . (U. S. 10 - East of Bozeman) .
	I 90-6 (6) 3.9 U 3	10-31-63	5.3 miles signing and delineation . (U. S. 10 - East of Bozeman) .
18	I 94-3 (3) 112 U 3 & I 94-4 (9) 139 U 2	6-30-63	6.2 miles fencing . (U. S. 10 - East of Forsyth .
	I 94-3 (7) 114 U 4	6-30-63	4.4 miles signing and delineation . (U. S. 10 - East of Forsyth) .
19	I-IG 90-6 (5) 276 U 1	11-1-63	5.5 miles four lane divided, grading, drainage and one 2 foot prestressed concrete beam bridge - Three Forks Interchange . Frontage Roads . 6.4 miles bituminous surfacing on reconstruction of U. S. 10 - Frontage Roads . (U. S. 10 - East of Three Forks) .
	I-IG 90-6 (5) 276 U 2	11-1-63	5.5 miles fencing . (U. S. 10 - East of Three Forks .
	I 90-6 (7) 278	7-30-63	Four prestressed concrete beam bridges, dual 149 foot - Lower Manhattan Road Separation, dual 84 foot - Gallatin Interchange . Dual 84 foot - Gallatin River, dual 72 foot - East Fork Madison River . (U. S. 10 - East of Three Forks) .
	I 90-6 (8) 277	8-31-63	Four prestressed concrete beam bridges, dual 84 foot - Gallatin River, dual 72 foot - East Fork Madison River . (U. S. 10 - East of Three Forks .
	I-IG 90-6 (9) 276	6-30-64	Dual 735 and 624 foot prestressed concrete bell structures - Gallatin RR, RF RY, and Madison River . (U. S. 10 - East of Three Forks) .
20	I 15-4 (9) 194 U 1	7-13-63	12.7 miles (7.7 miles four lane divided) grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . Dual 118 foot prestressed concrete beam overpass - Dales of the South Interchange . (U. S. 91 - North of Helena) .
	I 15-2 (9) 194 U 2	9-30-63	12.7 miles fencing and cattle guards . (U. S. 91 - North of Helena) .
	I 15-4 (12) 207 U 1	9-1-63	3.4 miles (2.3 miles four lane divided, grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 91 - North of Helena .
	I 15-4 (16) 194	11-30-63	12.7 miles signing . (U. S. 91 - Helena North .
	I 15-4 (17) 204	11-30-63	3.4 miles signing . (U. S. 91 - Helena North) .
21	I 94-4 (14) 147 U 3	6-30-63	8.4 miles signing and delineation . (U. S. 10 - West of Three Forks) .
22	I 90-8 (11) 444	11-30-63	Dual prestressed concrete beam bridges, 185 foot and 190 foot - West Billings Interchange . (U. S. 10 - 10ut West of Billings) .

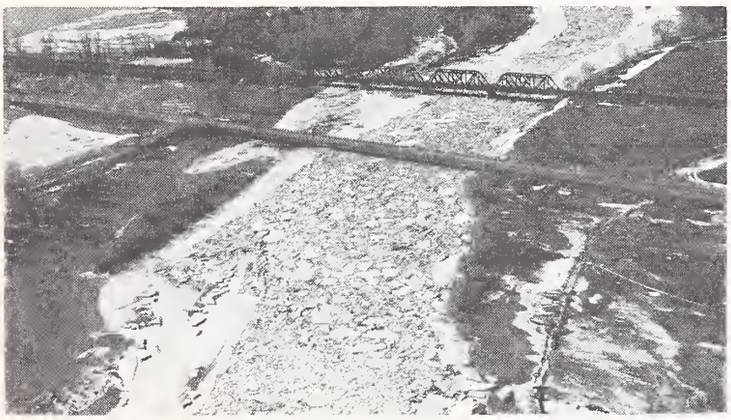
Map Index Number	Project Number	Probable Completion Date	LENGTH, TYPE OF CONSTRUCTION AND LOCATION
	FEDERAL AID INTERSTATE PROJECTS		
23	I 15-4 (18) 210 U 1 & I 15-4 (21) 210 & I-IG 15-4 (19) 211	11-30-64	2.1 miles four lane divided, grading, drainage, aggregate surfacing, plant mix bituminous surfacing . (U. S. 91 - South of Wolf Creek) . Four prestressed concrete beam structures, dual 534 foot - Spring Creek Interchange, GN RY and Prickly Pear Creek, dual 133 foot Lyons Creek Separation . (U. S. 91 - South of Wolf Creek) .
24	I 94-2 (6) 61 U 1	9-1-64	5.6 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . One 143 foot prestressed concrete beam overpass - Hysham Interchange . (U. S. 10 - Southwest of Hysham) .
	I 94-2 (6) 61 U 2	11-30-63	5.6 miles fencing . (U. S. 10 - Southwest of Hysham) .
	FEDERAL AID PRIMARY PROJECTS		
101	F 191 (19) U 1	7-1-63	5.6 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 93 - South of Kalispell) .
102	F 207 (8)	7-30-63	0.2 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 10 - In Butte) .
	F 279 (4)	7-30-63	0.5 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 10 - ByPass - in Butte) .
103	FAP 0 - 1 (1) *	1963	6.5 miles grading, drainage, base and bituminous surface treatment . (U. S. 10 A - Idaho Line East) .
104	F 143 (12)	9-30-63	14.6 miles grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (Montana 16 - Medicine Lake North) .
105	F 157 (16, 1	6-30-63	5.0 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Montana 22 - Northwest of Miles City) .
106	F-FG 68 (12) U 1	7-1-64	2.7 miles (four lane divided) grading, drainage, aggregate surfacing and plant mix bituminous surfacing . Signing and delineation . (U. S. 10 A - East of Anaconda) .
	F-FG 68 (12) U 2	10-31-63	Four prestressed concrete beam bridges, dual 70 foot - Clark Fork and dual 148 foot - NP RY. (U. S. 10 A - East of Anaconda) .
107	F 144 (6)	7-1-64	0.7 miles grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (U. S. 212 - Laurel South) .
108	F 67 (9)	10-1-63	1.6 miles grading, drainage, aggregate surfacing, stabilized base surfacing, plant mix bituminous and seal coat oiling . (U. S. 91 - Main Street in Conrad) .
109	F 149 (16)	9-15-63	9.7 miles grading, drainage, aggregate surfacing and plant mix bituminous oiling . (U. S. 87 - Northeast of Great Falls) .
110	U F 296 (15) U 1	10-1-63	4.2 miles (0.8 miles four lane) grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (Montana 3 - Billings Northwest) .
111	FAP 17 F 6 *	1963	2.1 miles grading, drainage, and surfacing . (U. S. 2 - East of West Glacier) .
112	F 333 (31)	6-30-63	One 173 foot prestressed concrete beam bridge - Armella Creek . (U. S. 191 - North of Roy) .
113	F 76 (7)	9-15-63	20.6 miles plant mix bituminous surfacing . (U. S. 191 - North of west Yellowstone) .
114	FAP 32 1 (1) *	1963	26.9 miles plant mix bituminous surfacing . (U. S. 89 - South of Belfart) .
115	U FG228 (16)	11-30-63	1.5 miles grading, drainage, cement stabilized base, aggregate surfacing, concrete pavement, plant mix bituminous and seal coat oiling . One concrete underpass - NP RR . (U. S. 10 - In Billings) .
116	F 238 (8) U 1	6-30-63	4.5 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Montana 287 - North of Wolf Creek) .
	F 238 (8) U 2	6-30-63	One 474 foot riveted plate girder bridge - Dearborn River . (Montana 287 - North of Wolf Creek) .
117	RDG F 28 (3)	6-30-63	5.8 miles fencing . (U. S. 87 - South of Grass Range) .
	F 28 (4)	8-15-63	5.8 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 87 - South of Grass Range) .
118	U 149 (15)	10-31-63	0.4 miles (0.1 miles four lane divided) grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 87 - byPass - Great Falls North) .
	U FG 395 (6)	10-31-63	1.5 miles (1.1 miles four lane divided) grading, drainage, aggregate surfacing, plant mix bituminous and concrete pavement . Two concrete underpasses - GN RY and Smelter Avenue . (U. S. 87 - byPass - Great Falls North) .
119	F 235 (25)	10-15-63	4.5 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . One 81 foot prestressed concrete beam bridge - Otter Creek . (U. S. 87 - West of Stanford) .
	F 235 (31)	10-15-63	4.0 miles plant mix bituminous surfacing . (U. S. 87 - West of Stanford) .
120	F 112 (5)	9-1-64	2.4 miles grading, drainage, aggregate surfacing, and plant mix bituminous surfacing . (Wyoming connection to Interstate) .
121	F FG 219 (16) U 2	6-30-63	One 173 foot prestressed concrete beam overpass - NP RY . (U. S. 10 A - Northwest of Missoula) .
	F FG 219 (16) U 1	10-30-63	9.8 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 10 A - Wortmest of Missoula) .
122	U 112 (3), U 219 (15) & U 259 (32)	6-30-63	2.0 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . One 50 foot concrete slab bridge - Big Spring Creek . (Montana 4 - Lewistown Main Street .
123	F 141 (20) U 1	9-1-63	7.3 miles (2.5 miles grading and drainage) aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 93 - North of Polson) .
	F 141 (22)	6-30-63	7.3 miles seeding and mulching . (U. S. 93 - North of Polson) .
124	F 260 (7) U 2 & 353 (8,	8-15-63	5.8 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (U. S. 2 - West to East of West Glacier .
125	F 15 (6, U 2	7-30-63	4.0 miles seal and cover oiling . (U. S. 89 - Livingston South .
126	FAP 42 - 1 (1) *	1963	5.8 miles grading, drainage, aggregate surfacing and bituminous surface treatment . (U. S. 89 - North of Jardinor) .
127	F 184 (13)	6-30-63	1.1 miles seeding and mulching . (U. S. 10 - North of Deer Lodge) .
128	F 41 (25) U 2	7-30-63	11.6 miles seal and cover oiling . (Montana 43 - West to East of Ralston) .
129	F 217 (14) U 2 &	7-30-63	14.0 miles seal and cover oiling . (U. S. 89 - South to North of Emigrant) .
130	F 44 (23) 2	6-30-63	0.3 miles four lane divided, grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . One 972 foot steel and concrete bridge Children RY and Clark Fork . (U. S. 93 - In Missoula) .
131	F 259 (8)	11-1-63	7.0 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (U. S. 2 - East of Hodson) .
132	U 53 (8) U 2	6-30-63	Traffic signals, signs and highway lighting on Idaho Street . (U. S. 2 - In Kalispell) .
133	F 227 (6)	10-30-63	6.0 miles plant mix bituminous surfacing . (U. S. 89 - Northwest of Browning) .
	F 227 (5)	6-30-63	4.0 miles plant mix bituminous surfacing . (U. S. 89 - Northwest of Browning) .
	F 227 (6)	10-30-63	7.5 miles grading, drainage, aggregate surfacing, and plant mix surfacing . (U. S. 89 - Northwest of Browning) .
134	FAP 15 3 (12) *	1963	0.4 miles grading, drainage and base . One 60 foot reinforced concrete bridge - Bear Creek . One 20 foot concrete slab bridge - Devil Creek . (U. S. 2 - Southwest of East Glacier) .
135	F FG 258 12	6-30-63	12.4 miles plant mix bituminous surfacing . (U. S. 310 - South of Belfry) .
141	F 146 (6) U 4	6-30-63	Installation of traffic signals and lighting . (U. S. 2 - First Avenue North in Glasgow) .
142	F 145 (16 1	6-30-63	4.4 miles grading, drainage and aggregate surfacing . (Montana 24 - Southeast of Fort Peck) .
	F 145 (16) U 2	10-30-63	One 133 foot prestressed concrete beam bridge - Nelson Creek . (Montana 24 - Southeast of Fort Peck) .
	FEDERAL AID SECONDARY PROJECTS		
201	S 45 1	7-30-63	One 215 foot prestressed concrete beam bridge - Tongue River . (Southwest of Garland) .
202	S 142 (3) U 1	7-30-63	6.5 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (East of Brady) .
203	S 45 (8)	6-30-64	1.2 miles grading, drainage and aggregate surfacing . One 362 foot riveted plate girder bridge . (North of U. S. 10 and Montana 47) .
204	S 242 (4)	6-30-63	4.7 miles fencing . (East Helena Southerly)
	S 242 (3)	7-1-63	3.7 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (East Helena Southerly) .
205	S 237 (3)	6-30-63	3.4 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Wyoming Line North - South of Busby) .
206	S 142 (3)	7-30-63	Dual prestressed concrete beam bridges - I 90 Separation . (Southwest of Billings) .
207	FAS 3 1 (1) 2 (4)*	1963	13.8 miles plant mix bituminous surfacing . (South of Troy) .
208	S 240 (3)	6-30-63	5.3 miles grading, drainage, and aggregate surfacing . (Northeast of Van Norman) .
209	S 2 1 (1) 2 (1) * 374 1 FH	1963	24.5 miles grading, drainage, and base. Hauling of three timber bridges - Lolo Creek . (U. S. 12 - Lolo to Idaho State Line) .
210	S 245 (1) U 1	7-30-63	4.4 miles grading, drainage, aggregate surfacing and plant mix bituminous surfacing . (Southwest of Libby) .
211	S 240 (4)	1963	7.1 miles (1.5 miles grading) drainage, aggregate surfacing and plant mix bituminous surfacing . (Northwest of West Yellowstone) .
212	S 240 (1)	7-31-63	1.7 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . One 708 foot riveted plate girder bridge - Missouri River . (Fort Benton Southeast) .
213	S 50 (4)	10-1-63	20.5 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (North of Browning) .
	S 266 (4)	6-30-63	10.5 miles fencing . (North of Browning) .
214	S 45 (6	10-1-63	4.7 miles grading and drainage . One 145 foot prestressed concrete beam bridge - Sun River . (South of Big Farm East) .
215	S 240 (5) U 1 & S 70 (11)	6-30-63	4.7 miles of fencing . (West of Wilsall) .
	S 159 (4)	7-1-63	Mesut 23 miles of fencing . (West of Wilsall) .
216	S 8	6-30-63	0.7 miles grading, cement stabilized base, drainage, plant mix bituminous and seal coat oiling . (West of Arcadia) .
217	S 159 (4)	7-1-63	7.5 miles (partial grading) drainage, aggregate surfacing, and plant mix bituminous surfacing . (Dodson South) .
218	S 8	6-30-63	7.4 miles (0.8 miles grading) aggregate and plant mix bituminous surfacing . (Salem Southwest) .
219	S 240 (7	6-30-63	0.4 miles grading, drainage, aggregate and plant mix bituminous surfacing . Concrete curb and gutter (in Cut Bank) .
220	S 257 (5	7-30-63	Two miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . One 38 foot treated timber Trestle bridge - Sand Creek . (Northeast of Forsyth) .
221	S 2 (15) U 1	10-30-63	1.4 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (North of Hebron) .
222	S 69 (5) U 1	5-30-63	13.0 miles aggregate surfacing, plant mix bituminous and seal coat oiling . (North of Alliger) .
223	S 248 (4)	6-30-63	0.9 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (East of Butte) .
224	S 12 (9)	7-1-63	14.9 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Hebron North) .
225	S 334 (9) 1	6-30-63	6.5 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (South of Inester) .
226	S 347 (4)	6-30-63	4.0 miles grading, drainage and aggregate surfacing . (Northwest of Baker) .
227	S 7 (7) U 2	7-30-63	8.5 miles seal and cover oiling . (Southwest of Boulder) .
228	S 370 (2)	8-15-63	4.0 miles grading, aggregate surfacing, plant mix bituminous and seal coat oiling . (Whitefish North) .
229	S 60 (2) U 2	9-30-63	1.4 miles seal and cover oiling . (Emigrant Southeast) .
230	S 273 (3) U 2	7-30-63	0.8 miles seal and cover oiling . (Northeast of Emigrant) .
231	S 148 (4)	7-15-63	10.1 miles grading, drainage and aggregate surfacing . (North of Galata)
232	S 4 (6)	7-15-63	7.8 miles grading, drainage, aggregate surfacing, plant mix bituminous and seal coat oiling . (Northeast of Culbertson) .
	OFF SYSTEM PROJECTS		
01	32 L 1 A.	1963	3.2 miles grading and aggregate base . (Two Medicine Road and Approach - Northwest of East Glacier) .
*	? -	1963	8.7 miles grading, drainage and aggregate surfacing . (Brooks East) .

- - - - - - Miles of public roads re ort .

ICE DAMAGE ADDS TO COST OF HIGHWAY TRANSPORTATION



The "flip-flop" in temperatures, as the Weather Bureau called it, during the first week of the month, set the stage for one of the worst tolls in years for bridges around the Treasure State. Three county bridges were lost, and many others on the Primary System were closely watched in order to prevent damage by the massive ice jams that were common on the Clark Fork, Missouri, Gallatin and the Yellowstone. The above photos show what stresses a bridge goes through just before it left the scene. About 30 minutes after this picture was taken, the bridge was virtually lifted from its piers and taken down stream. The other photos show the ice jam that was piled up in back of the bridge and the river without the bridge.



Here are photos of the ice piling up on the Missouri River at Townsend. With an ice floe twenty-five miles long on Canyon Ferry Lake, the ice being brought down the Missouri had no place to go, but to pile up, flooding the low ground adjacent to the highway at the point where the bridge is. Quick work in lowering the lake made room for the water and ice, and serious damage was prevented.

Another large ice floe appeared in the Yellowstone River near the bridge at Custer, that required constant surveillance. The old slough proved valuable in this instance in helping take the overflow.

PROPOSED INTERSTATE LETTINGS TO JUNE 30, 1965

Project No. and Date	Miles	Designation	Type of Work, County	Fin. Dist.
Jan. 1963				
I 15-4(18)210	2.088	Lyons Creek-South	G, GS, PMS, Lewis & Clark	7
I 15-4(19)211	.....	Lyons Creek-South	Strs. 2 Locations, Lewis & Clark	7
I-IG 90-8(17)433	5.282	Laurel-Mossmain	G, GS, PMS, Str., Yellowstone	11
I 94-2(6)61	5.638	Hysham-West	G, GS, PMS, Str., Treasure	11
Feb.				
I 15-8(11)383	4.485	Sweetgrass-South	G, GS, PMS, Str., Toole	2
I 90-2(16)81	.....	Huson-West	Br. Clark Fk. Dual Int., Missoula	8
I-IG 90-2(18)82	.....	Huson-West	Comb. Br. & RR OP, Missoula	8
Mar.				
I 15-4(20)212	5.841	Lyons Creek-Wolf Creek	G, GS, PMS, Lewis & Clark	7
I-IG 90-2(21)80	4.511	Huson-West	G, GS, PMS, Missoula	8
I-IG 90-6(10)282	4.972	Logan-Manhattan	Gr. 1 Structure, Gallatin	10
Apr.				
I-IG 15-4( )210	.....	Lyons Creek-South	Structure, Lewis & Clark	7
I 90-7(11)387	1.039	Reed Point-West	Signing, Sweetgrass	10
I 90-8(18)388	9.508	Reed Point-East	Signing, Stillwater	11
May				
I 15-1( )46	5.2	Pipe Organ-North and South	G, GS, PMS, Str., Beaverhead	9
I 15-2(19)126	5.751	Butte-East and West	Signing, Silver Bow	9
I 90-2(22)108	.....	Bonner-West	2 Dual Bridges, Missoula	8
I 90-8(19)443	1.168	Billings West Interchange	G, GS, PMS, Yellowstone	11
June				
I-IG 15-2(18)131	3.556	Butte-North	G, GS, PMS, Str., Silver Bow	9
I 15-6(6)311	1.030	Pershing-South	Signing, Teton	6
I 15-7(4)312	10.535	Brady-North and South	Signing, Pondera	6
I 15-8( )357	12.1	Shelby-Oilmont Jct.	G, GS, PMS, Str., Toole	2
I 90-1(20)75	2.802	Alberton-East and West	Signing, Mineral	8
I 90-2(19)78	2.156	Alberton-East	Signing, Missoula	8
I 90-8(16)437	7.427	Mossmain-Billings (N. Frontage Rd.)	Gr. Bit. Pavement, Yellowstone	11
I-IG 90-8(23)447	3.214	Billings Urban (27th to No. 87)	G, GS, PMS, 2 Int. RR OP, Yellowstone	11
I 94-6(7)216	4.189	Glendive-East	Signing, Dawson	4
I 94-6(8)221	12.764	Wibaux-County Line West	G, GS, PMS, Str., Dawson	4
July				
I IG 90-6( )276	5.590	Three Forks-Logan	Concrete Surfacing, Gallatin	10
I-IG 90-6( )282	4.972	Logan-Manhattan	Concrete Surfacing, Gallatin	10
IG 90-6(11)287	.....	Logan-Manhattan	NP RR OP, Gallatin	10
I 94-3(8)114	4.915	Hathaway-East and West	Seeding, Rosebud	12
I 94-4(11)119	28.7	Miles City-East and West	Seeding, Custer	12
I 94-7(6)233	15.274	Wibaux-East and West	Seeding, Wibaux	4
Aug.				
I 90-1( )65	.....	Tarkio-East	Strs. Sta. 395 & 605, Mineral	8
I 90-6(12)309	5.275	Rocky Canyon	Seeding, Gallatin	10
I 90-7(13)387	1.039	Reed Point-West	Seeding, Sweetgrass	10
I 90-8(21)388	9.508	Reed Point-East	Seeding, Stillwater	11
Sept.				
I 90-4( )226	3.0	Butte-East	G, GS, PCC, Silver Bow	9
I-IG 90-5( )241	9.6	Whitehall-East and West	G, GS, PMS, Str., Jefferson	7
I 90-8(20)443	1.239	Billings-West Interchange	Signing, Yellowstone	11

Project No. and Date	Miles	Designation	Type of Work, County	Fin. Dist.
Dec.				
I 90-1( )50	.....	Superior-East	Strs. Sta. 564, 819, Mineral	8
I-IG 90-2(14)105	5.1	Bonner-West	G, GS, PCC, Str., Missoula	8
I 90-3( )152	6.8	Drummond-East and West	G, GS, PMS, Str., Granite	8
I-IG 90-5( )233	7.9	Pipestone Hot Springs-West	G, GS, PMS, Str., Jefferson	7
I-IG 90-6( )296	8.4	Belgrade-Bozeman	Gr., Structure, Gallatin	10
I-IG 90-1( )65	.....	Tarkio-East	4 Structures, Mineral	8
Jan. 1964				
I 90-4( )229	2.0	Homestake Pass-West	G, GS, PMS, Str., Silver Bow	9
I-IG 90-5( )231	2.0	Homestake Pass-East	G, GS, PMS, Str., Jefferson	7
I-IG 90-8( )445	3.6	Billings Urban-West Section	G, GS, PMS, Str., Yellowstone	11
Mar.				
I-IG 15-5( )269	6.4	Great Falls-West Side	G, GS, PCC, Str., Cascade	6
I-IG 315-5( )272	0.586	Great Falls-Spur	G, GS, PMS, Str., Cascade	6
I 90-2(20)110	9.180	Bonner-Clinton	Signing, Missoula	8
I 94-1(7)50	1.312	Big Horn-Hysham	Signing, Yellowstone	11
I 94-2(7)51	16.237	Big Horn-Hysham	Signing, Treasure	11
Apr.				
I-IG 90-1( )50	9.1	Superior-East	G, GS, PMS, Mineral	8
I-IG 90-1( )50	.....	Superior-East	5 Structures, Mineral	8
I-IG 90-1( )65	9.5	Tarkio-East	G, GS, PMS, Mineral	8
I 90-8( )433	5.282	Laurel-Mossmain	Signing, Yellowstone	11
July				
I-IG 90-6( )287	9.2	Manhattan-Belgrade	Gr., Structure, Gallatin	10
Aug.				
I 90-1( )0	2.0	Lookout Pass-East	G, GS, PMS, Mineral	8
I-IG 90-2( )94	7.6	Missoula-West	G, GS, PCC, Str., Missoula	8
Sept.				
I 15-8( )369	9.1	Oilmont Jct.-Sunburst	G, GS, PMS, Str., Toole	2
I 90-8( )455	5.0	Pinehill-Toluca	G, GS, PMS, Str., Yellowstone	11
Oct.				
I 15-4( )218	2.2	Wolf Creek-North and South	G, GS, PMS, Str., Lewis & Clark	7
I-IG 90-6( )296	8.4	Belgrade-Bozeman	Concrete Surfacting, Gallatin	10
Nov.				
I 15-1( )51	7.5	Pipe Organ-North	G, GS, PMS, Str., Beaverhead	9
I-IG 90-3( )144	.....	Bearmouth-East	Structure, Granite	8
I-IG 90-3( )144	6.6	Bearmouth-East	G, GS, PMS, Granite	8
I-IG 90-8( )425	8.4	Park City-Laurel	G, GS, PMS, Str., Stillwater and Yellowstone	11
Dec.				
I 90-8( )452	2.3	Lockwood-Pinehill	G, GS, PMS, Str., Yellowstone	11
I 94-1( )0	6.0	Pinehill-Huntley	G, GS, PMS, Str., Yellowstone	11
Jan. 1965				
I-IG 15-4( )220	8.1	Wolf Creek-Stickney Creek	G, GS, PMS, Str., Lewis & Clark	7
Apr.				
I 15-4( )228	2.7	Cascade-County Line-South	G, GS, PMS, Str., Lewis & Clark	7
I 15-5( )230	4.0	Cascade County Line-North	G, GS, PMS, Str., Cascade	6
I-IG 94-6( )211	.....	Glendive-East and West	Yellowstone Riv. Br., Dawson	4
I 90-2( )101	4.0	Missoula Urban	G, GS, PCC, Str., Missoula	8

The Rim Rocks at the north edge of Billings will never be the same again, as the traffic to and from the Airport, and on Montana No. 3 required that additional facilities be built to handle the traffic. Some of the old rocks were sluffing down on the highway. This photo shows the progress being made by the contractor, Northwest Engineering Company. Property owners close to the project report that they can hardly hear the blasts through the rock penetrating wall, and the heavy mats put over the blast area. This aerial photo, very tough to obtain, due to the air traffic at the Billings Airport, and the necessity to leave the flight patterns, was made prior to the recent snows.

The Center Line
STATE HIGHWAY DEPARTMENT
Helena, Montana

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